

USSN 10/734,078

IN THE CLAIMS

Amend the claims as follows:

1-10. (canceled)

11.(previously presented) A coated article, comprising a nickel base superalloy substrate consisting essentially of, in weight %, about 3% to about 12% Cr, up to about 15% Co, up to about 3% Mo, about 3% to about 10% W, up to about 6% Re, about 5% to about 7% Al, up to about 2% Ti, up to about 1% Fe, up to about 2% Nb, about 3% to about 12% Ta, up to about 0.07% C, about 0.030% to about 0.80% Hf, up to about 0.10% Zr, up to about 0.02% B, up to about 0.050% of a rare earth element, and balance Ni and incidental impurities, an outwardly grown diffusion aluminide bondcoat on the substrate, and a ceramic thermal barrier coating disposed on the bondcoat and having improved resistance to spallation due to cyclic oxidation.

12.(original) The article of claim 11 wherein the rare earth element is selected from the group consisting of Y and Lanthanide series elements with atomic numbers from 58 to 71.

13.(original) The article of claim 12 wherein about 0.0005% to about 0.050 weight % of said rare earth element is present.

14.(original) The article of claim 11 having a sulfur concentration of 2 ppm by weight or less.

15.(previously presented) The article of claim 11 wherein the Hf concentration of the substrate is from about 0.33% to about 0.80% by weight.

USSN 10/734,078

16.(new) The article of claim 11 wherein the outwardly grown diffusion aluminide bondcoat comprises a single phase platinum-modified diffusion aluminide coating.